

## SEQUENCE LISTING

## (1) GENERAL INFORMATION:

- (i) APPLICANT: Saxena, Brij B.  
Rathnam, Premila
- (ii) TITLE OF INVENTION: hCG-hLH RECEPTOR AND hCG-hLH  
RECEPTOR-hCG COMPLEX AS ANTIGENS, ANTIBODIES THERETO AND  
CONTRACEPTIVE VACCINE
- (iii) NUMBER OF SEQUENCES: 15
- (iv) CORRESPONDENCE ADDRESS:
  - (A) ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
  - (B) STREET: 2100 Pennsylvania Avenue, N.W.
  - (C) CITY: Washington
  - (D) STATE: D.C.
  - (E) COUNTRY: USA
  - (F) ZIP: 20037
- (v) COMPUTER READABLE FORM:
  - (A) MEDIUM TYPE: Floppy disk
  - (B) COMPUTER: IBM PC compatible
  - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
  - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 08/120,324
  - (B) FILING DATE: 14-SEP-1993
  - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 08/029,613
  - (B) FILING DATE: 11-MAR-1993
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 07/879,245
  - (B) FILING DATE: 06-MAY-1992
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 07/742,236
  - (B) FILING DATE: 08-AUG-1991
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 07/555,696
  - (B) FILING DATE: 23-JUL-1990
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 06/910,554
  - (B) FILING DATE: 23-SEP-1986
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 06/752,497
  - (B) FILING DATE: 08-JUL-1985
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 06/446,145
  - (B) FILING DATE: 02-DEC-1982

## (viii) ATTORNEY/AGENT INFORMATION:

- (A) NAME: Nakamura, Dean H.
- (B) REGISTRATION NUMBER: 33,981
- (C) REFERENCE/DOCKET NUMBER: A6229-1

## (ix) TELECOMMUNICATION INFORMATION:

- (A) TELEPHONE: (202)293-7060
- (B) TELEFAX: (202)293-7860

## (2) INFORMATION FOR SEQ ID NO:1:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 223 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: DNA (genomic)

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

CGTAATCATG TCATAGCTGT TTCCTGTGTG AAATACTCAC ATTAATTGCG TTGGCCTCAC	60
TGCCCCTTTT CCAGTCGGAA ACCTGTCGTG CCAGCTGCAT TAAGTAATCG GCCAAGGCGC	120
GGGGAGAGGC GGTTCGCGTA TTGGGCGCTC TTTCCGCTTC CGTCTGCCTC ACTGACTCGC	180
TGCGCTCGGT CGTCCGGCTG CGGCGAGCGT ATAGCTACTC AAG	223

## (2) INFORMATION FOR SEQ ID NO:2:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 216 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: DNA (genomic)

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

TTACCCAACT TAATCCGCCC TTGCAGCACA TCCCCCTTTC GCCAGCTGGT AATAGCGCAA	60
GAGGCCCCGC ACCCGATCGC CCTTCCTTCA GTTGCGCGCT GAATGGCGAA TGGCGTGATG	120
CGGTATTTTC TCTTAGCATT GTGGTATTTA AGATATGGTG ATTAGTACAA TTGCTCTGAT	180
CGGATAGTTA ATAGCGAAGA ACATGAGCTG AGGTTG	216

## (2) INFORMATION FOR SEQ ID NO:3:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 151 base pairs
- (B) TYPE: nucleic acid

(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

TCTCCGGCCG TCATGCCGTA TTGGTTCGGA TACGGATGTG CTAGGTCCCA CTGCCACGGC	60
TCCTACTGCT ACTCGCGTAA CAATCTAAAG TATCTGCCAC GGACTGACGC AATCGTTAAA	120
TTGATACTAT TTGATGGCGT AATTTGCAAA G	151

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 152 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

CTTTGCAAAT TACGCCATCA AATAGTATCA ATTTAACGAT TGCCTCAGTC CGTGGCAGAT	60
ACCTTTAGAT TGTTACGCGA GTAGCAGTAG GAGCCGTGGC AGTGGGACCT AGCACATCCG	120
TATCCGAACC AATACGGCAT GACGGCCGGA GA	152

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 126 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

GTAATATGTA TAGCTGTTTC CTGTGTGAAA TTGTTATCGC TCACAATTCC ACACAACACTAC	60
CCGAGCGCGG AAGCATAAAG TGTAAGCCT GGGGTGCCTA ATGAGTGAGC TAACTGACAC	120
ATTAAT	126

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 102 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

TTGGCACTGG CGTCGTTTAT CAACGTCGTG ACGTGGA AAA CGCTGGCTAT CCAACTTAGT	60
CGCTGCAGCA CATCCTAGCT AGTCAGCTGC TAATAGCGAG AG	102

(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 200 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

ATTAAC TTTT CTGTCAC TTT AATGCTAGAT CCTAGATTAC CACCAGTTAG GCCGTGTCTC	60
TATTTACTTC TGCTTGCCT TTCTAAACAT TTTTATGATG AGGATTACAT AAAATCGTAA	120
ATGCGCTTAA TACCACTGAA TCATACACTT GAAATGGTAA ATTTTATGT ATTTTGGACC	180
ACAATAAAAA CTAAAAGCCT	200

(2) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 56 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

CACGGCCTAA CTGGTGGTAA TCTAGGATCT AGCATTAAG TGACAGAAAA GTTAAT	56
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(2) INFORMATION FOR SEQ ID NO:9:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 134 base pairs
- (B) TYPE: nucleic acid

(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

AGAGCCCAAT ACGCAACGCT CTCCCGCGCG TTGGCCGATT CATTAATGCA GCTGGCACGA	60
CAGGTTCCGA CTGGAAAGCG GGCAGTGAGC GCAACGCAAT TAATGTGAGT TAGCTCACTC	120
ATTAGGCACC CCAG	134

(2) INFORMATION FOR SEQ ID NO:10:

(i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 131 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

CTGGGGTGCC TAATGAGTGA GCTAACTCAC ATTAATTGCG TTGCGCTCAC TGCCCGCTTT	60
GTCGGAACCT GTCGTCGAG CTGCATTAAT GAATCGGCCA ACGCGCGGGA GAGCGTTGCG	120
TATTGGGCTC T	131

(2) INFORMATION FOR SEQ ID NO:11:

(i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 143 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

AGGCTTTTAG TTTTATTGT GGTCAAAAAT ACATAAAATT TACCATTTCAGTGTATGAT	60
TCAGTGGTAT TAAGCGCATT TACGATTTTA TGTAATCCTC ATCATAAAAA TGTTTAGAAA	120
GGCAAAGCAG AAGTAAATAG AGA	143

(2) INFORMATION FOR SEQ ID NO:12:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 102 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

CTCTCGCTAT TAGCAGCTGA CTAGCTAGGA TGTGCTGCAG CGACTAAGTT GGATAGCCAG	60
CGTTTTCCAC GTCACGACGT TGATAAACGA CGCCAGTGCC AA	102

(2) INFORMATION FOR SEQ ID NO:13:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 90 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:

CTCCGCCAG GGGGCGGCGA CGTGCGAGCG CTGAGCGAGC TGCAAGGGCG CGCCGTGCGG	60
CTGCGTAATC GGCTTTCAAG GTGAGCCATT	90

(2) INFORMATION FOR SEQ ID NO:14:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 166 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:

CGGGTTTTTT TTTTAGGGCT TTTTAGTTTT TTTTATTGTG GTTAAAAAAT ACATAAAAAT	60
TTACCATTTT CAAGTGTATG ATTCAGTGGT ATTAGCGCAT TTACGATTTA TGTAATCTCA	120
TCATAAAATG TTAGAAGGCA AGCGAGTAAT GAGACCGCTA CTGTGA	166

(2) INFORMATION FOR SEQ ID NO:15:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 304 base pairs
- (B) TYPE: nucleic acid

(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:

CGTAATCATG TCATAGCTGT TTCCTGTGTG AAATTGTTAT CCGCTCACAA TTCCACACAA	60
CATACGAGCC GGAAGCATAA AGTGTAAGC CTGGGGTGCC TAATGAGTGA GCTAACTCAC	120
ATTAATTGCG TTGCGCTCAC TGCCCGCTTT CCAGTCGGGA AACCTGTCGT GCCAGCTGCA	180
TTAATGAATC GGCCAACGCG CGGGGAGAGG CGGTTTGCGT ATTGGGCGCT CTTTCCGCTT	240
CCGTCTGCCT CACTGACTCG CTGCGCTCGG TCGTCCGGCT GCGGCGAGCG TATAGCTACT	300
CAAG	304